


Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,940
		Filing Date	November 28, 2000
		First Named Inventor	Schenk, Dale B.
		Art Unit	1771 1647
		Examiner Name	Not yet assigned NICHOLS
Sheet 1	of 1	Attorney Docket Number	15270J-004751US

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CS	243	US 60/168,594			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	243	WO	01/39796	A2	06-07-2001			

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Examiner Signature		Date Considered	10/31/03
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet 1 of 15

Complete if Known

Application Number 09/724,940
Filing Date November 28, 2000
First Named Inventor Schenk, Dale B.
Group Art Unit 4774 ICH
Examiner Name Unassigned NICHOLS
Attorney Docket Number 15270J-004751US

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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
CSH	298	09/441,140		Seleson et al.	11-18-1999	
	292	60/480,837		Chen	N/A	
	295	60/484,001		Holtzman et al.	N/A	
	299	60/480,265		Rasmussen et al.	N/A	
	280	60/254,465		Holtzman et al.	N/A	
	287	60/254,488		Holtzman et al.	N/A	
	300	2001/0018053	A1	McMichael	08-30-2001	
	267	6,294,171	B2	McMichael	09-25-2001	
	234	6,284,221	B1	Schenk, et al.	09-04-2001	
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	1	6,057,367		Stamler et al.	05-02-2000	
	221	5,989,586		Cobb et al.	11-23-1999	
	2	5,958,883		Snow	09-28-1999	
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	4	5,955,079		Mond et al.	09-21-1999	
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	6	5,869,093		Weiner et al.	02-09-1999	
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	9	5,851,996		Kline	12-22-1998	
	10	5,849,298		Weiner et al.	12-15-1998	
	11	5,837,473		Maggio et al.	11-17-1998	
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	14	5,750,349		Suzuki et al.	05-12-1998	
	197	5,744,368		Goldgaber et al.	04-28-1998	
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	15	5,733,547		Weiner et al.	03-31-1998	
	16	5,688,651		Solomon	11-18-1997	
	17	5,679,348		Nesburn et al.	10-21-1997	
	18	5,645,820		Hafner et al.	07-08-1997	

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Sheet 2 of 15

Complete if Known

Application Number	09/724,940
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1771-IGP
Examiner Name	Unassigned DICHOLS
Attorney Docket Number	15270J-004751US

19	5,641,474	—	Hafler et al.	06-24-1997	—
20	5,641,473	—	Hafler et al.	06-24-1997	—
21	5,612,486	—	McConlogue et al.	03-18-1997	—
22	5,605,811	—	Seubert et al.	02-25-1997	—
23	5,585,100	—	Mond et al.	12-17-1996	—
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181	5,270,165	—	Van Nostrand et al.	12-14-1993	—
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28	5,231,000	—	Majocha et al.	07-27-1993	—
29	5,220,013	—	Ponte et al.	06-15-1993	—
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198	5,004,697	—	Pardridge	04-02-1991	—
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FOREIGN PATENT DOCUMENTS								
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
350	35	EP	911 036	A2	_____	04-28-1999	_____	RECEIVED Sep 4 2000 TC 1700
	36	EP	868 918	A2	_____	10-07-1998	_____	
	37	EP	863 211	A1	_____	09-09-1998	_____	
	38	EP	845 270	A1	_____	08-03-1998	_____	
	39	EP	782 859	A1	_____	07-09-1997	_____	
	40	EP	683 234	A1	_____	11-22-1995	_____	
	41	EP	666 080	A1	_____	08-09-1995	_____	
	42	EP	652 962	B1	_____	12-16-1998	_____	
	43	EP	639 081	B1	_____	11-03-1999	_____	
	44	EP	613 007	A2	_____	08-31-1994	_____	
	45	EP	594 607	B1	_____	08-27-1997	_____	
	46	EP	561 087	B1	_____	08-04-1999	_____	
	47	EP	526 511	B1	_____	05-28-1997	_____	
48	EP	508 785	B1	_____	03-15-2000	_____		

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Sheet 3 of 15

Complete if Known

Application Number	09/724,940
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	4774 KAT
Examiner Name	Unassigned NICHOLS
Attorney Docket Number	15270J-004751US

49	EP	451 700	A1		10-16-1991		
50	EP	440 619	B1		01-24-1996		
51	EP	359 783	B1		11-29-1995		
52	EP	276 723	B1		12-08-1993		Yes
187	EP	783 104	A1		07-09-1997		
294	PCT	01/62801	A2		08-30-2001		
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203	PCT	99/00150	A2		01-07-1999		
60	PCT	98/44955	A1		10-15-1998		
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62	PCT	97/17613	A1		05-15-1997		
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208	PCT	96/28471	A1		09-19-1996		
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65	PCT	96/18900	A1		06-20-1996		
66	PCT	95/31998	A1		11-30-1995		
200	PCT	95/12815	A1		05-11-1995		
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227	PCT	95/11008	A2		04-27-1995		
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73	PCT	93/21950	A1		11-11-1993		
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75	PCT	93/15760	A1		08-19-1993		

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Sheet 4 of 15

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Application Number	09/724,940
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	4771 1647
Examiner Name	Unassigned NICHOLS
Attorney Docket Number	15270J-004751US

76	PCT	93/14200	A1		07-22-1993	
205	PCT	93/04194	A1		03-04-1993	
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87	PCT	89/01343	A1		02-23-1989	
88	PCT	89/06242	A1		07-13-1989	
89	PCT	89/06689	A1		07-27-1989	
90	PCT	89/03687	A1		05-05-1989	
91	PCT	88/10120	A1		12-29-1988	
92	GB	2 220 211	A		01-04-1990	
93	GB	2 335 192	A		09-15-1989	

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>09/724,940</td> </tr> <tr> <td>Filing Date</td> <td>November 28, 2000</td> </tr> <tr> <td>First Named Inventor</td> <td>Schenk, Dale B.</td> </tr> <tr> <td>Group Art Unit</td> <td>4771 1647</td> </tr> <tr> <td>Examiner Name</td> <td>Unassigned NICHOLS</td> </tr> <tr> <td>Attorney Docket Number</td> <td>15270J-004751US</td> </tr> </table>		Application Number	09/724,940	Filing Date	November 28, 2000	First Named Inventor	Schenk, Dale B.	Group Art Unit	4771 1647	Examiner Name	Unassigned NICHOLS	Attorney Docket Number	15270J-004751US
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Examiner Name	Unassigned NICHOLS														
Attorney Docket Number	15270J-004751US														
Sheet	5	of	15												

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<div style="font-size: 2em; text-align: center;">C</div>	94	ANDERSEN et al., "Do nonsteroidal anti-inflammatory drugs decrease the risk for Alzheimer's disease?", <u>Neurology</u> , 45:1441-1445 (1995).	<input type="checkbox"/>
	95	Associated Press, "Immune cells may promote Alzheimer's, a study finds," <u>The Boston Globe</u> (4/13/95).	<input type="checkbox"/>
	176	BARD et al., "Peripherally administered antibodies against amyloid β -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <u>Nature Medicine</u> , 6(8):916-919 (2000).	<input type="checkbox"/>
	228	BARROW, et al., "Solution Conformations and aggregational Properties of Synthetic Amyloid Beta-Peptides of Alzheimer's Disease. Analysis of Circular Dichroism Spectra" <u>J. Mol. Biol.</u> , 225(4): 1075-1093 (1992).	<input type="checkbox"/>
	96	BAUER et al., "Interleukin-6 and α -2-macroglobulin indicate an acute-phase state in Alzheimer's disease cortices," <u>FEBS Letters</u> , 285(1):111-114 (1991).	<input type="checkbox"/>
	239	BEASLEY, "Alzheimer's traced to proteins caused by aging," Reuters, April 20, 2001 7:56 PM ET.	<input type="checkbox"/>
	204	BERCOVICI et al., "Chronic Intravenous Injections of Antigen Induce and Maintain Tolerance in T Cell Receptor-Transgenic Mice," <u>Eur. J. Immunol.</u> , 29:345-354 (1999).	<input type="checkbox"/>
	212	BICKEL et al., "Site Protected, Cationized Monoclonal Antibody Against Beta Amyloid as a Potential Diagnostic Imaging Technique for Alzheimer's Diseases," <u>Soc. for Neuroscience Abstracts</u> 18:764 (1992).	<input type="checkbox"/>
	97	BLASS, John P., "Immunologic Treatment of Alzheimer's Disease," <u>New England J. Medicine</u> , 341(22):1694 (1999).	<input type="checkbox"/>
	98	BODMER et al., "Transforming Growth Factor-Beta Bound to Soluble Derivatives of the Beta Amyloid Precursor Protein of Alzheimer's Disease," <u>Biochem. Biophys. Res. Comm.</u> , 171(2):890-897 (1990).	<input type="checkbox"/>
<div style="font-size: 2em; text-align: center;">V</div>	99	BORCHELT et al., "Accelerated Amyloid Deposition in the Brains of Transgenic Mice Coexpressing Mutant Presenilin 1 and Amyloid Precursor Proteins," <u>Neuron</u> , 19: 939-945 (1997).	<input type="checkbox"/>
	100	BORIS-LAWRIE et al., "Recent advances in retrovirus vector technology," <u>Cur. Opin. Genet. Develop.</u> , 3: 102-109 (1993).	<input type="checkbox"/>
	101	BRICE et al., "Absence of the amyloid precursor protein gene mutation (APP717 : Val->Ile) in 85 cases of early onset Alzheimer's disease," <u>J. Neurology, Neurosurg. Psychiatry</u> , 56:112-115 (1993).	<input type="checkbox"/>
	285	CAPUTO et al., "Therapeutic approaches targeted at the amyloid proteins in Alzheimer's disease," <u>Clin. Neuropharm.</u> , 15:414A-414B (1992).	<input type="checkbox"/>
<div style="font-size: 2em; text-align: center;">C</div>	224	Center for Biologics Evaluation and Research, U.S. Food and Drug Administration, Thimerosal in Vaccines (Mercury in Plasma-Derived Products), web site contents found at: http://www.fda.gov/oc/vaccine/thimerosal.htm , last updated May 16, 2002.	<input type="checkbox"/>

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PA 3147648 v22

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Sheet 6 of 15

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First Named Inventor Schenk, Dale B.
Group Art Unit 1771 1047
Examiner Name Unassigned - NICHOLS
Attorney Docket Number 15270J-004751US

102	CHAO et al., "Transforming Growth Factor- β Protects human Neurons Against β -Amyloid-Induced Injury," <u>Soc. Neurosci. Abstracts</u> , 19:513.7 (1993).	<input type="checkbox"/>
266	CHAPMAN, PAUL F., "Model behavior," <u>Nature</u> , 408:915-916 (2000).	
222	Chemical Abstract database, Abstract of "Injection of Newborn Mice with Seven Chemical Adjuvants to Help Determine Their Safety in Use in Biologicals," Chemical Abstract database. (Publication date unknown.)	
213	CHEN et al., "An Antibody to β Amyloid Precursor Protein Inhibits Cell-substratum Adhesion in Many Mammalian Cell Types," <u>Neuroscience Letters</u> 125:223-226 (1991).	
302	CHUNG et al., "Uptake, Degradation, and Release of Fibrillar and Soluble Forms of Alzheimer's Amyloid β -Peptide by Microglial Cells," <u>J. Biol. Chem.</u> , 274(45):32301-32308 (1999).	
291	COLOMA et al., "Transport Across the Primate Blood-Brain Barrier of a Genetically Engineered Chimeric Monoclonal Antibody to the Human Insulin Receptor," <u>Pharm. Res.</u> , 17:266-274 (2000).	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,940
		Filing Date	November 28, 2000
		First Named Inventor	Schenk, Dale B.
		Group Art Unit	4774-1647
		Examiner Name	Unassigned NICHOLS
		Attorney Docket Number	15270J-004751US
Sheet	7	of	15

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Examiner Signature	<i>G. Nichols</i>	Date Considered	10/31/03
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		Filing Date	November 28, 2000
		First Named Inventor	Schenk, Dale B.
		Group Art Unit	1774-1647
		Examiner Name	Unassigned NICHOLS
Sheet 8 of 15	Attorney Docket Number	15270J-004751US	

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Application Number	09/724,940
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1774-1647
Examiner Name	Unassigned Nichols
Attorney Docket Number	15270J-004751US

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Application Number	09/724,940
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1771 (647)
Examiner Name	Unassigned X NICHOLS
Attorney Docket Number	15270J-004751US

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Application Number 09/724,940
Filing Date November 28, 2000
First Named Inventor Schenk, Dale B.
Group Art Unit 1771
Examiner Name Unassigned
Attorney Docket Number 15270J-004751US

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Sheet 12 of 15

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Application Number	09/724,940
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1771-1011
Examiner Name	Unassigned NICHOLS
Attorney Docket Number	15270J-004751US

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CONSIDERED; DO NOT PRINT.

Examiner Signature	<i>G. Nichols</i>	Date Considered	10/31/03
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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/724,940
		Filing Date	November 28, 2000
		First Named Inventor	Schenk, Dale B.
		Group Art Unit	777-1647
		Examiner Name	Unassigned NICHOLS
Sheet	13	of	15
		Attorney Docket Number	15270J-004751US

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 14 of 15

Complete if Known

Application Number	09/724,940
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	177 1647
Examiner Name	Unassigned NICHOLS
Attorney Docket Number	15270J-004751US

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Sheet 15 of 15

C m p l t e I f K n w n

Application Number	09/724,940
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	4777 ICF
Examiner Name	Unassigned - DICHOS
Attorney Docket Number	15270J-004751US

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 7

Complete if Known

Application Number	09/724,940
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Art Unit	1647
Examiner Name	Christopher J. Nichols
Attorney Docket Number	15270J-004751US

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	360	2003/0073655 A1	04-17-2003	Chain	
	370	2003/0068325 A1	04-10-2003	Wang	
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	402	4,713,366	12-15-1987	Stevens	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 7

Complete if known

Application Number 09/724,940
 Filing Date November 28, 2000
 First Named Inventor Schenk, Dale B.
 Art Unit 1647
 Examiner Name Christopher J. Nichols
 Attorney Docket Number 15270J-004751US

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Filing Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
g	305	09/724,842	11-28-2000	Ghalifour et al	

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
g	343	EP	1 172 378	A1	01-16-2002			
	351	WO	02/34878	A2	05-02-2002			
	352	WO	02/34777	A1	05-02-2002			
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	322	WO	00/72880	A2, A3	12-07-2000			
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	331	WO	99/06545	A2	11-02-1999			
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		Application Number	09/724,940		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	November 28, 2000		
		First Named Inventor	Schenk, Dale B.		
		Art Unit	1647		
		Examiner Name	Christopher J. Nichols		
Sheet	3	of	7	Attorney Docket Number	15270J-004751US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
[Handwritten mark]	391	AGUZZI et al., "Prion research: the next frontiers," <u>Nature</u> , 389:795-798 (1997).	—
	393	AKIYAMA et al., "Inflammation and Alzheimer's disease," <u>Neurobiology of Aging</u> , 21:383-421 (2000).	—
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[Handwritten mark]	363	DODART, "Immunotherapy for Alzheimer's disease: will vaccination work?" <u>Trends in Molecular Medicine</u> , 9(3):85-87 (2003).	—
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 4 of 7

Complete if Known

Application Number	09/724,940
Filing Date	November 28, 2000
First Named Inventor	Schenk, Dale B.
Art Unit	1647
Examiner Name	Christopher J. Nichols
Attorney Docket Number	15270J-004751US

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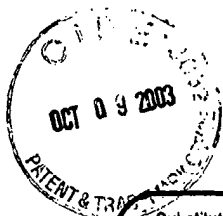
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